

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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5'	9	18	27	36	45	54
GGG ACT TCC AGT AGG AGG CGG CAT GTT TGA AAA GTG ATG ACG GTT GAC GTT TGC						
63	72	81	90	99	108	
TGA TTT TTG ACT TTG CTT GTA GCT GCT CCC CGA ACT CGC CGT CCT GTC GGC						
117	126	135	144	153	162	
GGC CGG CAC TGT AGG TGA GCG CGA GAG GAC GGA GGA AGG AAG CCT GCA GAC AGA						
171	180	189	198	207	216	
CGC CTT CTC CAT CCC AAG GCG CGG CGA GGT GCC GGG ACG CTG GGC CTG GCG GTG						
225	234	243	252	261	270	
TTT TCG TCG TGC TCA GCG GTG GGA GGC GGA GGA AAC AAG CAG AGC CTG GGA GAT						
279	288	297	306	315	324	
TAA CAG GAA ACT TCC AAG ATG GAA ACT TTG TCT TTC CCC AGA TAT AAT GTA GCT						
333	342	351	360	369	378	
GAG ATT GTG ATT CAT ATT CGC AAT AAG ATC TTA ACA GGA GCT GAT GGT AAA AAC						
E I V I I H I R N K I L T G A D G K N						

FIGURE 1A

APPROVED	O.G. FIG.	
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387	396	405	414	423	432
CTC ACC AAG AAT GAT CTT TAT CCA AAT CCA AAG CCT GAA GTC TTG CAC ATG ATC					
L T K N D L Y P N P K P E V L H M I					
441	450	459	468	477	486
TAC ATG AGA GCC TTA CAA ATA GTA TAT GGA ATT CGA CTG GAA CAT TTT TAC ATG					
Y M R A L Q I V Y G I R L E H F Y M					
495	504	513	522	531	540
ATG CCA GTG AAC TCT GAA GTC ATG TAT CCA CAT TTA ATG GAA GGC TTC TTA CCA					
M P V N S E V M Y P H L M E G F L P					
549	558	567	576	585	594
TTC AGC AAT TTA GTT ACT CAT CTG GAC TCA TTT TTG CCT ATC TGC CGG GTG AAT					
F S N L V T H L D S F L P I C R V N					
603	612	621	630	639	648
GAC TTT GAG ACT GCT GAT ATT CTA TGT CCA AAA GCA AAA CGG ACA AGT CGG TTT					
D F E T A D I L C P K A K R T S R F					
657	666	675	684	693	702
TTA AGT GGC ATT ATC AAC TTT ATT CAC TTC AGA GAA GCA TGC CGT GAA ACG TAT					
L S G I I N F I H F R E A C R E T Y					

FIGURE 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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1035	1044	1053	1062	1071	1080
TCT CCA GAG AAG TTA AAG AAT TAT AAA GAA AAA ATG AAA GAT ACG GTC CAG AAG					
S P E K L K N Y K E K M K D T V Q K					
1089	1098	1107	1116	1125	1134
CTT AAA AAT GCC AGA CAA GAA GTG GTG GAG AAA TAT GAA ATC TAT GGA GAC TCA					
L K N A R Q E V V E K Y E I Y G D S					
1143	1152	1161	1170	1179	1188
GTT GAC TGC CTG CCT TCA TGT CAG TTG GAA GTG CAG TTA TAT CAA AAG AAA ATA					
V D C L P S C Q L E V Q L Y Q K K I					
1197	1206	1215	1224	1233	1242
CAG GAC CTT TCA GAT AAT AGG GAA AAA TTA GCC AGT ATC TTA AAG GAG AGC CTG					
Q D L S D N R E K L A S I L K E S L					
1251	1260	1269	1278	1287	1296
AAC TTG GAG GAC CAA ATT GAG AGT GAT GAG TCA GAA CTG AAG AAA TTG AAG ACT					
N L E D Q I E S D E S E L K K L K T					
1305	1314	1323	1332	1341	1350
GAA GAA AAT TCG TTC AAA AGA CTG ATG ATT GTG AAG AAG GAA AAA CTT GCC ACA					
E E N S F K R L M I V K K E K L A T					

FIGURE 1D

APPROVED	O.G. FIG.	
BY.	CLASS	SUBCLASS
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1359	1368	1377	1386	1395	1404
GCA CAA TTC AAA ATA AAT AAG AAG CAT GAA GAT GTT AAG CAA TAC AAA CGC ACA					
A Q F K I N K K H E D V K Q Y K R T					
1413	1422	1431	1440	1449	1458
GTA ATT GAG GAT TGC AAT AAA GTT CAA GAA AAA AGA GGT GCT GTC TAT GAA CGA					
V I E D C N K V Q E K R G A V Y E R					
1467	1476	1485	1494	1503	1512
GTA ACC ACA ATT AAT CAA GAA ATC CAA AAA AAT AAA CTT GGA ATT CAA CAA CTA					
V T T I N Q E I Q K I K L G I Q Q L					
1521	1530	1539	1548	1557	1566
AAA GAT GCT GCT GAA AGG GAG AAA CTG AAG TCC CAG GAA ATA TTT CTA AAC TTG					
K D A A E R E K L K S Q E I F L N L					
1575	1584	1593	1602	1611	1620
AAA ACT GCT TTG GAG AAA TAC CAC GAC GGT ATT GAA AAG GCA GCA GAG GAC TCC					
K T A L E K Y H D G I E K A A E D S					
1629	1638	1647	1656	1665	1674
TAT GCT AAG ATA GAT GAG AAG ACA GCT GAA CTG AAG AGG AAG ATG TTC AAA ATG					
Y A K I D E K T A E L K R K M F K M					

FIGURE 1E

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	CLASS	SUBCLASS

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(The page contains faint, illegible markings or bleed-through from the reverse side.)

	1683	1692	1701	1710	1719	1728
TCA	ACC TGA	TTA ACA AAA	TTA CAT GTC	TTT TTT TAA ATG	GCT TGC CAT	CTT TTA
S	T	*				
	1737	1746	1755	1764	1773	1782
AAT	TTC TAT	TTA GAA AGA	AAA GTT GAA	GCG AAT GGA AGT	ATC AGA AGT	ACC AAA
	1791	1800	1809	1818	1827	1836
TAA	TGT TGG	CTT CAT CAG	TTT TTA TAC	ACT CTC ATA AGT	AGT TAA TAA	GAT GAA
	1845	1854	1863	1872	1881	1890
TTT	AAT GTA	GTC TTT TAT	TAA TTT ATA	ATT AAA ATA ACT	TGT GCA GCT	ATT CAT
	1899	1908	1917	1926	1935	1944
GTC	TCT ACT	CTG CCC CTT	GTT GTA AAT	AGT TTT AGT AAA	ACA AAA CTA	GTT ACC
	1953	1962	1971			
TTT	GAA ATA	TAT ATA TTT	TTT TCT GTT	ACA AAA AA	AA 3'	

1	M E T L S F P R Y N V A E I V I H I R N K I L T G A D G K N	GRIIP
1	M E T L S F P R Y N I A E I V V H I R N K L L T G A D G K N	HW051
31	L T K N D L Y P N P K P E V L H M I Y M R A L Q I V Y G I R	GRIIP
31	L S K S D F L P N P K P E V L Y M I Y M R A L Q L V Y G V R	HW051
61	L E H F Y M M P V N S E V M Y P H L M E G F L P F S N L V T	GRIIP
61	L E H F Y M M P V N I E V M Y P H I M E G F L P V S N L F F	HW051
91	H L D S F L P I C R V N D F F E T A D I L C P K A K R T S R F	GRIIP
91	H L D S F M P I C R V N D F F E I A D I L Y P K A N R T S R F	HW051
121	L S G I I N F I H F R E A C R E T Y M E F L W Q Y K S S A D	GRIIP
121	L S G I I N F I H F R E T C L E K Y E E F L L Q N K S S V D	HW051
151	K M Q Q L N A A H Q E A L M K L E R L D S V P V E E Q E E F	GRIIP
151	K I Q Q L S N A H Q E A L M K L E K L N S V P V E E Q E E F	HW051
181	K Q L S D G I Q E L Q Q S L N Q D F H Q K T I V L Q E G N S	GRIIP
181	K Q L K D D I Q E L Q H L L N Q D F R Q K T T L L Q E R Y T	HW051
211	Q K K S N I S E K T K R L N E L K L S V V S L K E I Q E S L	GRIIP
211	K M K S D F S E K T K H V N E L K L S V V S L K E V Q D S L	HW051

FIGURE 2A

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241	K	T	K	I	V	D	S	P	E	K	L	K	N	Y	K	E	K	M	K	D	T	V	Q	K	L	K	N	A	R	Q	GRIIP
241	K	S	K	I	V	D	S	P	E	K	L	K	N	Y	K	E	K	M	K	D	T	V	Q	K	L	R	S	A	R	E	HW051
271	E	V	V	E	K	Y	E	I	Y	G	D	S	V	D	C	L	P	S	C	Q	L	E	V	Q	L	Y	Q	K	K	I	GRIIP
271	E	V	M	E	K	Y	D	I	Y	R	D	S	V	D	C	L	P	S	C	Q	L	E	V	Q	L	Y	Q	K	K	S	HW051
301	Q	D	L	S	D	N	R	E	K	L	A	S	I	L	K	E	S	L	N	L	E	D	Q	I	E	S	D	E	S	E	GRIIP
301	Q	D	L	A	D	N	R	E	K	L	S	S	I	L	K	E	S	L	N	L	E	G	Q	I	D	S	D	S	S	E	HW051
331	L	K	K	L	K	T	E	E	N	S	F	K	R	L	M	I	V	K	K	E	K	L	A	T	A	Q	F	K	I	N	GRIIP
331	L	K	K	L	K	T	E	E	N	S	L	I	R	L	M	T	L	K	K	E	R	L	A	T	M	Q	F	K	I	N	HW051
361	K	K	H	E	D	V	K	Q	Y	K	R	T	V	I	E	D	C	N	K	V	Q	E	K	R	G	A	V	Y	E	R	GRIIP
361	K	K	Q	E	D	V	K	Q	Y	K	R	T	M	I	E	D	C	N	K	V	Q	E	K	R	D	A	V	C	E	Q	HW051
391	V	T	I	N	Q	E	I	Q	K	I	K	L	G	I	Q	Q	L	K	D	A	A	E	R	E	K	L	K	S	Q	GRIIP	
391	V	T	A	I	N	Q	D	I	H	K	I	K	S	G	I	Q	Q	L	R	D	A	E	K	R	E	K	L	K	S	Q	HW051
421	E	I	F	L	N	L	K	T	A	L	E	K	Y	H	D	G	I	E	K	A	A	E	D	S	Y	A	K	I	D	E	GRIIP
421	E	I	L	V	D	L	K	S	A	L	E	K	Y	H	E	G	I	E	K	T	T	E	E	C	C	T	R	I	G	G	HW051
451	K	T	A	E	L	K	R	K	M	F	K	M	S	T	GRIIP																
451	K	T	A	E	L	K	R	R	M	F	K	M	P	P	HW051																

FIGURE 2B

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Tissue Category	Clone Count	Found in	Abund	Pct Abund
Cardiovascular System	266190	4/68	4	0.0015
Connective Tissue	144645	1/47	2	0.0014
Digestive System	501101	3/148	4	0.0008
Embryonic Structures	106713	2/21	2	0.0019
Endocrine System	225386	1/53	1	0.0004
Exocrine Glands	254635	2/64	2	0.0008
Genitalia, Female	427284	3/106	3	0.0007
Genitalia, Male	448207	2/114	6	0.0013
Germ Cells	38282	1/5	1	0.0026
Hemic and Immune System	680277	15/159	20	0.0029
Liver	109378	0/35	0	0.0000
Musculoskeletal System	159280	0/47	0	0.0000
Nervous System	955753	2/19	2	0.0002
Pancreas	110207	1/24	1	0.0009
Respiratory System	390086	4/93	5	0.0013
Sense Organs	19256	1/8	1	0.0052
Skin	72292	0/15	0	0.0000
Stomatognathic System	12923	0/10	0	0.0000
Unclassified/Mixed	120926	3/13	5	0.0041
Urinary Tract	279062	2/64	2	0.0007
Totals	5321883	47/1292	6	0.0000

FIGURE 3A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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Found in:

Library ID	Clone Count	Library Description	Abund	Pct Abund
BMARTXR02	682	bone marrow tumor line, neuroblastoma, t/6-OHDA,	1	0.1466
TLYMUNT01	3669	T-lymphocytes, allogenic, 40-50M, untreated	3	0.0818
TBLYN0T01	3119	T-B lymphoblast line, leukemia, untreated	2	0.0641
U937NOT01	2067	monocyte line, histiocytic lymphoma, untreated	1	0.0484
BMARTXT03	2162	bone marrow tumor line, neuroblastoma, t/6-OHDA	1	0.0463
BMARTXT06	2787	bone marrow tumor line, neuroblastoma, untreated	1	0.0359
SPLNTUT02	3017	spleen tumor, Hodgkin's, 45M	1	0.0331
MCLDTXT04	3310	UCB, derived dendritic cells, t/PMA, Ionomycin	1	0.0302
THYMFET03	3577	thymus, fetal, M	1	0.0280
MYEPTXT01	3944	CML precursor line, K-562, 53F, t/5AZA 72 h	1	0.0254
SPLNFET02	7859	spleen, fetal, 23wM	1	0.0127
TYMNOT08	9784	T-lymphocytes, allogenic anergic, t/OKT3 3 day	1	0.0102

Two pooled libraries, two normalized libraries, and one subtracted library are not shown.

FIGURE 3B

APPROVED	O.G. FIG.	
BY *	CLASS	SUBCLASS
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DATE: 11/11/00

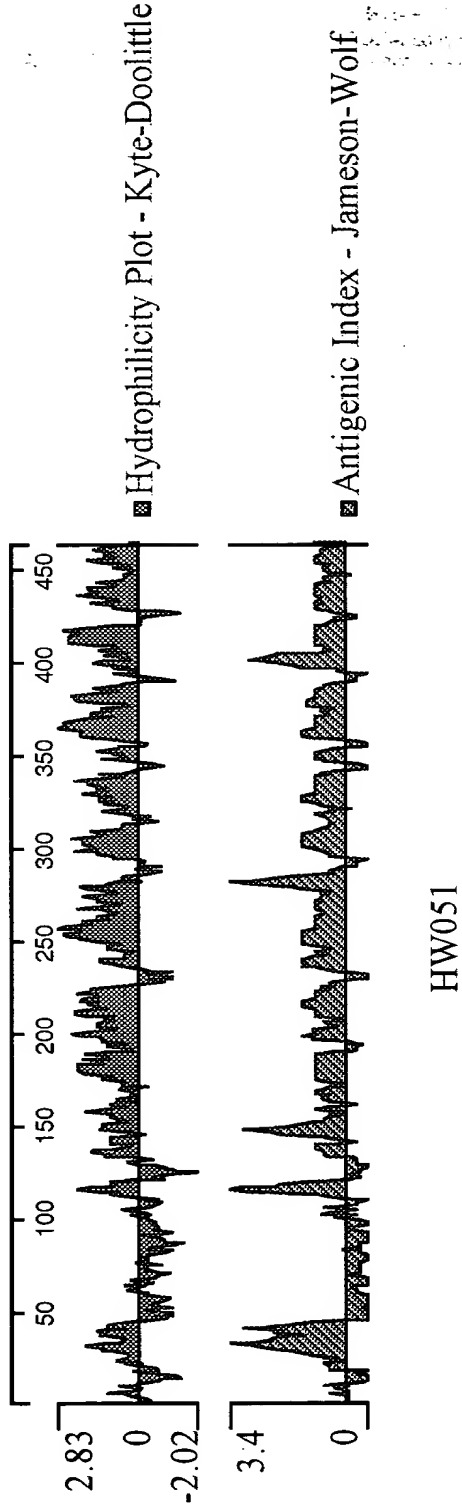
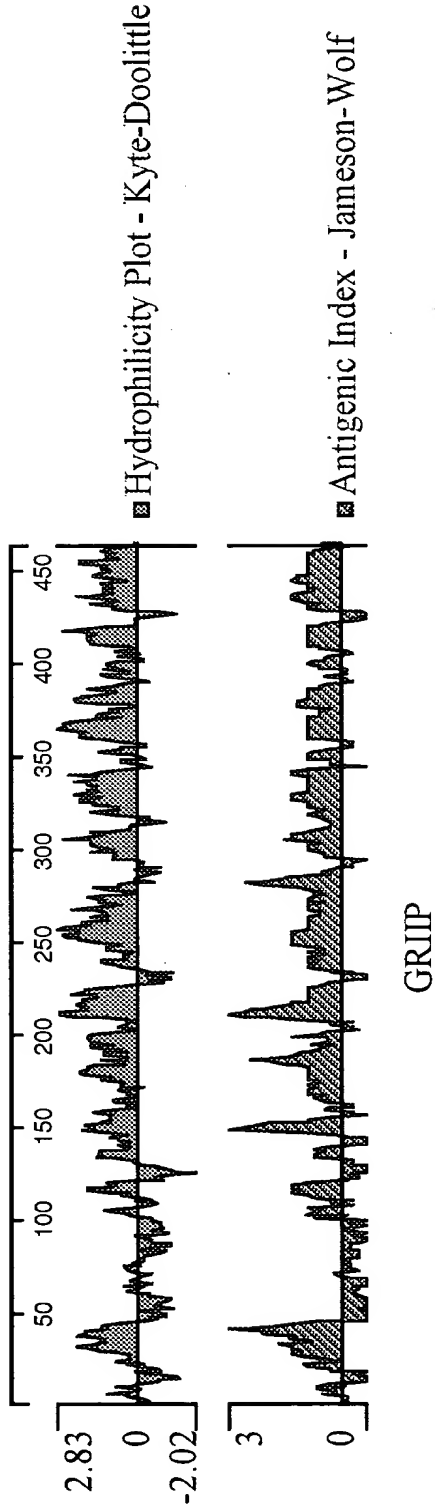


FIGURE 4